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Preguntas del examen

HPE7-A06

Aruba Certified Campus Access Switching Expert Written Exam

1.When analyzing a network stack issue in an HPE campus environment, which layer is most likely affected if clients experience intermittent connectivity but can still ping the gateway?
A. Physical Layer
B. Data Link Layer
C. Network Layer
D. Transport Layer
Answer: B
Explanation:
Intermittent connectivity issues without complete loss often indicate a problem at the Data Link Layer, where MAC-based operations like VLAN tagging or MAC learning can cause issues.

2.In an HPE Campus Access network, if multiple VLANs are configured but inter-VLAN routing fails, which configuration should be verified first?
A. IP routing settings on the core switch
B. VLAN tagging on each port
C. STP settings on edge switches
D. LACP configuration on trunk links
Answer: A
Explanation:
Inter-VLAN routing relies on IP routing capabilities, typically set on the core switch, to enable communication across VLANs.

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3.An access layer switch in an HPE network is experiencing high CPU utilization, leading to network slowdowns.
Which troubleshooting step should be prioritized?
A. Check for spanning tree loops
B. Increase bandwidth on uplink ports
C. Inspect firewall ACLs
D. Reboot the switch
Answer: A
Explanation:
High CPU utilization in switches is often due to spanning tree loops, causing excessive broadcast traffic and impacting performance.

4.When troubleshooting network stack issues related to DHCP failure, which layer should be checked first?
A. Network Layer
B. Application Layer

C. Data Link Layer
D. Transport Layer
Answer: C
Explanation:
DHCP relies on broadcast messages that operate at the Data Link Layer, making it essential to first verify VLAN and port configurations.

5.In a network stack, which protocol operates at the Transport Layer and is essential for ensuring reliable data transmission?
A. ICMP
B. ARP
C. TCP
D. IP
Answer: C
Explanation:
TCP operates at the Transport Layer, providing reliable, ordered delivery of data.

6.For redundancy in an HPE Campus environment, which protocol prevents loops by blocking redundant paths?
A. STP
B. OSPF
C. ARP
D. DHCP
Answer: A
Explanation:
The Spanning Tree Protocol (STP) prevents loops in a Layer 2 network by blocking redundant paths.

7.Which feature in HPE Aruba switches helps in managing multicast traffic and preventing unnecessary flooding across VLANs?
A. IGMP Snooping
B. QoS Policies
C. ACLs
D. Static Routing
Answer: A
Explanation:
IGMP Snooping optimizes multicast traffic by preventing it from flooding across VLANs.

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8.Multiple Answers: In an HPE network, which scenarios can indicate a configuration issue with Link Aggregation (LACP)?
A. Unstable link state
B. Increased latency on traffic paths
C. Port flapping
D. Spanning tree topology changes
Answer: A, B, C
Explanation:
Unstable link states, latency, and port flapping are common signs of LACP misconfiguration.

9.During troubleshooting, an engineer finds excessive ARP requests in the network. Which setting could mitigate this issue?
A. Adjusting MAC aging timers
B. Enabling DHCP Snooping
C. Increasing ARP cache size
D. Configuring proxy ARP
Answer: C
Explanation:
Increasing ARP cache size can help retain address mappings longer, reducing ARP requests.

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10.Which command on HPE Aruba switches can be used to view the real-time CPU usage?
A. show cpu
B. show system
C. show status
D. show memory
Answer: A
Explanation:
The show cpu command provides CPU usage details for performance monitoring.

11.If users experience packet drops during large file transfers across an HPE network, which parameter should be checked for performance tuning?
A. MTU size
B. LACP priority
C. VLAN priority
D. MAC aging timer
Answer: A
Explanation:

MTU size mismatches can lead to packet fragmentation and drops during large data transfers.

12.Which protocol at the Network Layer allows for logical address resolution and routing between different subnets?
A. OSPF
B. ARP
C. DHCP
D. FTP
Answer: A
Explanation:
OSPF enables routing and subnet communication by determining optimal paths in the network layer.

13.In a stacked switch configuration, what could cause the master switch to fail in detecting a member switch?
A. Firmware mismatch
B. DHCP configuration error
C. Incorrect VLAN tagging
D. Mismatched MTU settings
Answer: A
Explanation:
Firmware mismatch is a common issue causing connectivity problems within a stack.

14.When diagnosing issues in an HPE campus network, which command helps verify current Spanning Tree topology and blocked ports?
A. show spanning-tree
B. show mac-address-table
C. show arp
D. show interface status
Answer: A
Explanation:
The show spanning-tree command provides Spanning Tree information, showing port statuses and root path selection.

15.Multiple Answers: Which settings should be checked first when troubleshooting an HPE switch stack with inter-switch latency?
A. Stack cable connections
B. Spanning tree configuration

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C. MTU configuration
D. Stack firmware versions
Answer: A, C, D
Explanation:
Stack connections, MTU, and firmware versions are critical for optimal stack performance.

16.A switch shows that its interfaces are consistently cycling between up and down. What configuration should be verified first?
A. Duplex and speed settings
B. VLAN assignment
C. QoS configuration
D. Spanning tree protocol
Answer: A
Explanation:
Mismatched duplex and speed settings commonly cause link instability.

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17.Which log level on HPE switches records events that could lead to serious operational issues if not addressed?
A. Warning
B. Debug
C. Notice
D. Error
Answer: D
Explanation:
The Error log level records critical events impacting network operations.

18.Multiple Answers: In troubleshooting broadcast storms in an HPE network, which approaches help mitigate the issue?
A. Enable BPDU Guard
B. Enable Storm Control
C. Use VLAN segmentation
D. Disable DHCP snooping
Answer: A, B, C
Explanation:
BPDU Guard, Storm Control, and VLAN segmentation all help control broadcast traffic and prevent loops.

19.What command would you use on an HPE switch to see a list of connected

devices and their MAC addresses?
A. show mac-address-table
B. show arp
C. show device-table
D. show port-status
Answer: A
Explanation:
The show mac-address-table command lists MAC addresses associated with each port on the switch.

20.If an HPE switch fails to connect to a DHCP server, what should be verified first?
A. DHCP server IP reachability
B. ARP cache entries
C. QoS policies
D. LACP configuration
Answer: A
Explanation:
DHCP operation depends on IP reachability, so verifying connectivity to the DHCP server is the initial step.

21.An HPE network has implemented MSTP for multiple spanning tree instances, but traffic is not balancing as expected across redundant links.
Which parameter is crucial to verify to ensure proper load balancing?
A. Instance priority
B. Root bridge ID
C. VLAN mapping to instances
D. Port cost
Answer: C
Explanation:
In MSTP, VLANs need to be correctly mapped to specific instances to balance traffic across redundant links effectively.

22.In an HPE network, an unexpected root bridge takeover occurs, disrupting the spanning tree topology.
What configuration setting should be checked to prevent this issue?
A. Root guard
B. BPDU filter
C. PortFast
D. Loop guard
Answer: A

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Explanation:
Root guard prevents other switches from taking over as the root bridge, protecting the STP topology.

23.Which command on HPE switches helps to identify the cause of VLAN propagation failure across a trunk link?
A. show interface trunk
B. show vlan
C. show spanning-tree
D. show lacp
Answer: A
Explanation:
The show interface trunk command displays trunk status and allowed VLANs, helping troubleshoot VLAN propagation issues.

24.Multiple Answers: In an HPE network, which steps should be performed to troubleshoot a Layer 3 routing loop?
A. Verify route redistribution settings
B. Check routing protocol timers
C. Analyze route summaries
D. Review access control lists
Answer: A, B
Explanation:
Route redistribution and routing protocol timers are crucial areas to verify for preventing routing loops.

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25.Which feature can be enabled on HPE switches to prevent excessive broadcast traffic in the event of a network loop?
A. Loop Protection
B. DHCP Snooping
C. MAC Filtering
D. Link Aggregation
Answer: A
Explanation:
Loop Protection helps prevent loops and limits broadcast storms by disabling affected ports.

26.When analyzing high latency issues in an HPE campus network, which command provides insights into buffer usage that might indicate congestion?

A. show buffers
B. show queues
C. show memory
D. show cpu
Answer: B
Explanation:
The show queues command displays buffer utilization, revealing potential congestion points.

27.A customer reports that some devices on VLAN 100 are unreachable.
Which command will verify if VLAN 100 is active on a particular switch?
A. show vlan id 100
B. show interface status
C. show ip route
D. show spanning-tree
Answer: A
Explanation:
The show vlan id 100 command verifies if VLAN 100 is configured and active on the switch.

28.To improve multicast traffic management in a Layer 2 HPE network, which configuration should be checked or enabled?
A. IGMP Snooping
B. Spanning Tree Protocol
C. VRRP
D. BPDU Guard
Answer: A
Explanation:
IGMP Snooping optimizes multicast traffic, preventing unnecessary flooding in a VLAN.

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29.Multiple Answers: When facing routing failures in an HPE campus network, which elements should be verified to ensure proper route distribution?
A. AS numbers
B. Interface IP configurations
C. Route redistribution policies
D. Protocol adjacency
Answer: A, C
Explanation:
AS numbers and route redistribution policies play a key role in ensuring accurate

route distribution.

30.Which command on an HPE switch allows administrators to monitor traffic statistics and identify unusual patterns?
A. show statistics
B. show traffic
C. show interface counters
D. show logs
Answer: C
Explanation:
The show interface counters command provides packet and error counters, helping diagnose unusual traffic patterns.

31.In an HPE network, OSPF adjacencies are failing to establish between two routers.
Which parameter mismatch is likely the cause?
A. Hello timers
B. VLAN IDs
C. IP address schemes
D. Port speed
Answer: A
Explanation:
OSPF adjacencies require matching Hello timers for synchronization between routers.

32.A network engineer notices unexpected traffic in an HPE environment.
Which command shows which MAC addresses are learned on specific ports?
A. show mac-address-table
B. show arp
C. show ip route
D. show interface trunk
Answer: A
Explanation:
The show mac-address-table command lists MAC addresses associated with switch ports, helping track device connections.

33.What should be checked first if a VLAN configured with DHCP relay does not deliver IP addresses to devices in an HPE network?
A. Routing configuration for the VLAN
B. DHCP server availability

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C. Port security settings
D. Access control lists on core switch
Answer: A
Explanation:
DHCP relay relies on proper routing to forward requests to the DHCP server.

34.If a network loop causes a broadcast storm in an HPE network, which command can help in identifying the loop’s location?
A. show spanning-tree blockedports
B. show mac-address-table
C. show ip route
D. show interface status
Answer: A
Explanation:
The show spanning-tree blockedports command helps identify where STP has blocked ports to prevent loops.

35.Multiple Answers: In an HPE switch stack configuration, which issues can contribute to inter-switch latency?
A. Stack bandwidth limitations
B. Misconfigured LACP settings
C. Firmware mismatch
D. Improper spanning tree priorities
Answer: A, C
Explanation:
Stack bandwidth and firmware mismatches can lead to latency issues in switch stacks.

36.A customer in an HPE network reports that they’re unable to access the Internet. What configuration should be checked first?
A. Default route on core switch
B. VLAN assignment on access points
C. QoS settings on routers
D. STP configuration on access switches
Answer: A
Explanation:
Internet access requires a correctly configured default route on the network’s core device.

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37.To analyze dropped packets in a VLAN on an HPE switch, which command should be used?
A. show interface vlan counters
B. show spanning-tree
C. show ip route
D. show arp
Answer: A
Explanation:
The show interface vlan counters command provides statistics on packets sent, received, and dropped.

38.In a Layer 3 HPE campus network, which command verifies OSPF route summaries?
A. show ip ospf database
B. show ip route
C. show ip ospf summary-address
D. show ip interface brief
Answer: C
Explanation:
The show ip ospf summary-address command displays OSPF route summaries, useful for verifying route aggregation.

39.Multiple Answers: When troubleshooting connectivity between HPE switches across a network, which factors should be reviewed?
A. VLAN tagging consistency
B. STP instance configurations
C. MTU settings
D. Routing protocol metrics
Answer: A, B
Explanation:
VLAN tagging and STP instance configurations are essential for consistent connectivity.

40.An engineer finds that a specific HPE switch interface has high error rates. Which two parameters are most likely causing this issue?
A. Duplex mismatch
B. Port speed
C. VLAN misconfiguration
D. LACP mode
Answer: A, B

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Explanation:
Duplex mismatches and incorrect port speed settings often lead to high error rates and reduced performance.

41.A customer requires multiple VLANs on an HPE campus network.
Which configuration is essential on the switch interfaces connected to other switches to ensure VLAN traffic passes through?
A. Configure the interfaces as access ports
B. Enable LACP on the interfaces
C. Set the interfaces as trunk ports
D. Enable DHCP relay on the interfaces
Answer: C
Explanation:
Trunk ports allow multiple VLANs to pass traffic across interconnected switches, supporting multi-VLAN networks.

42.When configuring OSPF for a multi-area design in an HPE network, which feature optimizes routing by reducing the number of routes advertised between areas?
A. Stub area configuration
B. Route summarization
C. Default route propagation
D. LSA filtering
Answer: B
Explanation:
Route summarization reduces the routing table size by consolidating multiple routes, optimizing performance between OSPF areas.

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43.Multiple Answers: To ensure device redundancy in an HPE Campus Access network, which configurations should be applied?
A. Link Aggregation
B. Active-Active Failover
C. DHCP Snooping
D. VRRP
Answer: A, D
Explanation:
Link Aggregation provides link-level redundancy, while VRRP offers gateway redundancy, enhancing network reliability.

44.When troubleshooting connectivity issues in a multi-VLAN environment, which

command helps verify VLAN assignments on HPE Aruba switches?
A. show vlan
B. show ip route
C. show spanning-tree
D. show interface status
Answer: A
Explanation:
The show vlan command displays VLAN assignments, allowing verification of VLAN configurations on each port.

45.A customer’s network experiences intermittent connectivity between switches. Which configuration should be examined to rule out layer 2 loops?
A. STP configuration
B. QoS settings
C. IP routing table
D. DHCP settings
Answer: A
Explanation:
STP prevents loops in layer 2 networks by selectively blocking redundant paths.

46.In an HPE network, what feature would best support load balancing across multiple paths?
A. MSTP
B. ECMP
C. RSTP
D. DHCP relay
Answer: B
Explanation:
Equal-Cost Multi-Path (ECMP) allows load balancing across equal-cost paths, optimizing traffic distribution in routed networks.

47.Multiple Answers: Which configurations are crucial for establishing secure connectivity in an HPE campus network?
A. Enable IPsec on inter-switch links
B. Configure 802.1X authentication on access ports
C. Enable DHCP Snooping
D. Use RADIUS for user authentication
Answer: B, D
Explanation:

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48.1X authentication and RADIUS integration ensure secure access by authenticating users on network entry points.

49.Which advanced feature in HPE Aruba switches optimizes multicast traffic handling?
A. IGMP Snooping
B. LLDP
C. STP
D. ARP Snooping
Answer: A
Explanation:
IGMP Snooping reduces multicast flooding by allowing switches to selectively forward multicast traffic.

50.When deploying HPE switches in a stacked configuration, what ensures seamless failover between stack members?
A. LACP
B. Redundant stack cables
C. VLAN tagging
D. DHCP relay configuration
Answer: B
Explanation:
Redundant stack cables maintain connectivity between stack members, allowing automatic failover if one cable fails.

51.In a large HPE network, which technology would you implement to separate traffic for different departments while minimizing broadcast domains?
A. VLANs
B. Spanning Tree Protocol
C. Link Aggregation
D. DHCP Snooping
Answer: A
Explanation:
VLANs segment networks into smaller, isolated broadcast domains, supporting network segmentation for different departments.

52.If a core switch in an HPE network fails to advertise a default route, which setting should be verified?
A. OSPF default-information originate

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B. IP MTU size
C. Spanning Tree priority
D. Interface speed and duplex
Answer: A
Explanation:
The default-information originate command in OSPF advertises a default route to other routers.

53.To provide high availability for IP addresses in an HPE network, which configuration should be applied on gateway routers?
A. VRRP
B. Link Aggregation
C. DHCP Relay
D. Static Routing
Answer: A
Explanation:
VRRP provides gateway redundancy by enabling multiple routers to share the same virtual IP address, ensuring continuous availability.

54.Multiple Answers: In a device deployment scenario, which two HPE features ensure both scalability and manageability?
A. VSX
B. IPsec
C. Switch stacking
D. QoS
Answer: A, C
Explanation:
VSX and switch stacking allow scalable and manageable deployment by centralizing configuration and redundancy.

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55.In an HPE network, if users in VLAN 20 experience connectivity issues but other VLANs are unaffected, which setting is likely misconfigured?
A. VLAN tagging on trunk ports
B. IP address of the core switch
C. Spanning Tree priority
D. Interface MTU
Answer: A
Explanation:
Incorrect VLAN tagging can prevent traffic for specific VLANs from passing through trunk links.

56.When designing an HPE network, which factor is critical to ensure efficient routing convergence?
A. OSPF timer settings
B. VLAN ID assignment
C. DHCP lease time
D. Port security settings
Answer: A
Explanation:
OSPF timers, such as hello and dead intervals, impact convergence speed by defining adjacency timing.

57.Which command helps verify that trunk links between HPE switches are operational and carrying the correct VLANs?
A. show interface trunk
B. show spanning-tree root
C. show arp
D. show ip interface brief
Answer: A
Explanation:
The show interface trunk command provides trunk link status and allowed VLANs.

58.Multiple Answers: For a secure HPE campus deployment, which two methods help mitigate unauthorized access?
A. Configure port security
B. Enable spanning tree on all ports
C. Implement 802.1X authentication
D. Enable DHCP relay
Answer: A, C
Explanation:
Port security restricts device connections, and 802.1X authentication verifies user credentials, enhancing access security.

59.In an HPE ArubaOS environment, which feature allows administrators to configure VLAN assignment based on user role?
A. User-based tunneling
B. Dynamic VLAN assignment
C. QoS marking
D. Static IP assignment

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Answer: B
Explanation:
Dynamic VLAN assignment enables VLANs to be assigned based on user roles, supporting flexible network segmentation.

60.When troubleshooting connectivity issues on a VRRP-enabled HPE network, which command verifies VRRP status and priority?
A. show vrrp
B. show interfaces
C. show ip route
D. show spanning-tree
Answer: A
Explanation:
The show vrrp command provides VRRP group status, priority, and role information.

61.In a customer's network, users experience frequent IP conflicts.
Which configuration should be enabled to prevent unauthorized DHCP servers?
A. DHCP Snooping
B. ARP Inspection
C. IGMP Snooping
D. BPDU Guard
Answer: A
Explanation:
DHCP Snooping prevents unauthorized DHCP servers from allocating IP addresses, reducing IP conflict issues.

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62.In an HPE network with multiple core switches, which feature is ideal for reducing convergence time in case of a core switch failure?
A. Rapid Spanning Tree Protocol (RSTP)
B. Virtual Switching Extension (VSX)
C. VRRP
D. Link Aggregation Control Protocol (LACP)
Answer: B
Explanation:
VSX allows two core switches to operate as a single virtual switch, providing fast failover and minimizing convergence time.

63.Which feature in HPE switches allows you to prioritize network traffic based on application requirements?

A. VLAN tagging
B. Quality of Service (QoS)
C. DHCP Relay
D. IGMP Snooping
Answer: B
Explanation:
QoS enables administrators to prioritize traffic, ensuring critical applications receive sufficient bandwidth.

64.Multiple Answers: In an HPE Campus Access network, which two configurations are essential for preventing loops in a Layer 2 network?
A. STP (Spanning Tree Protocol)
B. LLDP (Link Layer Discovery Protocol)
C. BPDU Guard
D. OSPF
Answer: A, C
Explanation:
STP prevents Layer 2 loops by blocking redundant paths, while BPDU Guard protects against accidental bridging loops on access ports.

65.A customer wants to prioritize voice traffic across their HPE network.
Which configuration should be applied?
A. Enable QoS and configure DSCP values for voice packets
B. Enable IGMP Snooping
C. Increase MTU size
D. Enable DHCP Snooping
Answer: A
Explanation:
QoS with DSCP tagging allows prioritization of voice traffic, improving call quality in a network.

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66.When troubleshooting connectivity issues between HPE switches, which command shows if all required VLANs are allowed on a trunk link?
A. show vlan
B. show interface trunk
C. show ip route
D. show spanning-tree
Answer: B
Explanation:
The show interface trunk command displays allowed VLANs on trunk links, ensuring

proper VLAN connectivity.

67.To provide backup connectivity between switches in an HPE campus network, which technology allows for automatic failover and link aggregation?
A. VRRP
B. MSTP
C. LACP
D. DHCP relay
Answer: C
Explanation:
LACP enables link aggregation, allowing multiple links to operate as a single connection with automatic failover.

68.In an HPE network, which protocol allows multiple switches to share the same IP address for redundancy and failover?
A. VRRP
B. STP
C. OSPF
D. IGMP
Answer: A
Explanation:
VRRP provides gateway redundancy by allowing multiple switches to use a virtual IP address for failover.

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69.Multiple Answers: When deploying an HPE switch stack, which two configurations ensure smooth operation and failover?
A. Redundant stack cables
B. DHCP Snooping
C. Consistent firmware versions
D. MAC address filtering
Answer: A, C
Explanation:
Redundant stack cables and consistent firmware versions enhance stability and ensure proper stack failover functionality.

70.Which command provides real-time information about the CPU utilization on an HPE switch, helping to diagnose performance issues?
A. show cpu
B. show memory

C. show usage
D. show traffic
Answer: A
Explanation:
The show cpu command displays current CPU usage, aiding in identifying performance bottlenecks.

71.In HPE ArubaOS, which feature assigns VLANs dynamically based on the user's role or credentials?
A. Dynamic VLAN assignment
B. Static VLAN tagging
C. Port mirroring
D. DHCP relay
Answer: A
Explanation:
Dynamic VLAN assignment automatically assigns VLANs based on user roles, enhancing network segmentation and security.

72.Which technology in HPE networks enables seamless traffic forwarding between two core switches operating as a single unit?
A. MSTP
B. VRRP
C. VSX
D. OSPF
Answer: C
Explanation:
VSX (Virtual Switching Extension) allows two core switches to act as a single logical switch, ensuring seamless traffic forwarding.

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73.A customer's network uses multiple VLANs. They need traffic segmentation for better security and performance.
Which feature should be configured on HPE switches?
A. DHCP Relay
B. VLAN tagging
C. Spanning Tree Protocol
D. LLDP
Answer: B
Explanation:
VLAN tagging separates traffic into distinct VLANs, providing network segmentation for security and optimized performance.

74.Multiple Answers: In HPE Aruba switches, which settings help protect against DHCP-based attacks?
A. DHCP Snooping
B. BPDU Guard
C. IP Source Guard
D. RADIUS authentication
Answer: A, C
Explanation:
DHCP Snooping prevents rogue DHCP servers, while IP Source Guard restricts IP traffic to trusted sources, mitigating DHCP-related attacks.

75.To maintain stable connectivity on access switches, which protocol can disable a port if a loop is detected?
A. Loop Protection
B. IGMP Snooping
C. DHCP Snooping
D. LLDP
Answer: A
Explanation:
Loop Protection detects and disables ports involved in loops, preventing broadcast storms and ensuring stable connectivity.

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76.In a customer deployment, two HPE switches form a VSX pair.
Which setting must be synchronized between them for consistency?
A. STP settings
B. VLAN configurations
C. Port mirroring settings
D. LLDP neighbor details
Answer: B
Explanation:
VLAN configurations must be consistent across VSX pairs to ensure seamless traffic flow and prevent connectivity issues.

77.What is the primary purpose of the LLDP (Link Layer Discovery Protocol) in HPE networks?
A. Broadcast storm prevention
B. Device discovery and topology mapping
C. VLAN assignment

D. Data encryption
Answer: B
Explanation:
LLDP allows devices to share and learn information about their neighbors, aiding in network topology mapping.

78.Multiple Answers: When designing high-availability links between HPE switches, which two configurations are essential for redundancy?
A. Link Aggregation
B. DHCP Snooping
C. Spanning Tree Protocol
D. VLAN priority configuration
Answer: A, C
Explanation:
Link Aggregation provides physical link redundancy, while Spanning Tree Protocol ensures loop-free and redundant network paths.

79.In an HPE campus network, a core switch fails to route packets between VLANs. Which configuration should be checked first?
A. IP routing
B. QoS settings
C. DHCP relay
D. Port security
Answer: A
Explanation:
IP routing must be enabled on the core switch for inter-VLAN routing to allow communication between VLANs.

80.If HPE Aruba switches are configured with VSX, which command verifies the status of the VSX connection?
A. show vsx status
B. show vlan
C. show spanning-tree
D. show stack
Answer: A
Explanation:
The show vsx status command displays the current state of the VSX connection between paired switches.

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81.Which technology in HPE networks provides efficient path selection and load balancing across multiple equal-cost paths?
A. LACP
B. RSTP
C. ECMP
D. VRRP
Answer: C
Explanation:
Equal-Cost Multi-Path (ECMP) enables efficient load balancing across multiple paths with equal cost, optimizing network performance.

82.A customer wants to enforce VLAN isolation between different departments in an HPE campus network.
Which feature enables strict control of which VLANs are allowed across trunk links?
A. VLAN pruning
B. QoS tagging
C. MAC filtering
D. LLDP blocking
Answer: A
Explanation:
VLAN pruning limits the VLANs allowed on trunk links, enforcing isolation across departments.

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83.Which command on an HPE switch provides detailed information on all VLANs and their assigned interfaces?
A. show vlan
B. show interfaces
C. show ip route
D. show spanning-tree
Answer: A
Explanation:
The show vlan command displays all VLANs, associated interfaces, and their current status.

84.In an HPE network, which protocol allows for automatic configuration and detection of connected devices on the network?
A. LLDP
B. STP
C. DHCP
D. LACP

Answer: A
Explanation:
LLDP (Link Layer Discovery Protocol) enables automatic discovery and configuration of network devices, assisting with topology mapping.

85.Multiple Answers: To prevent VLAN hopping attacks in an HPE campus network, which two configurations should be applied?
A. Disable unused ports
B. Use access mode on ports facing end devices
C. Enable DHCP Snooping
D. Configure IP Source Guard
Answer: A, B
Explanation:
Disabling unused ports and configuring access mode on end-user-facing ports help prevent VLAN hopping attacks.

86.A core switch in an HPE network fails to advertise routes to other devices in the network.
Which protocol configuration should be verified first?
A. OSPF adjacency
B. DHCP relay
C. Spanning Tree priority
D. VLAN tagging
Answer: A
Explanation:
OSPF adjacencies are necessary for route advertisement between routers in the network.

87.Which feature on HPE switches allows administrators to restrict access based on MAC addresses, enhancing network security?
A. MAC authentication
B. PortFast
C. BPDU Guard
D. LLDP-MED
Answer: A
Explanation:
MAC authentication limits network access by allowing only devices with authorized MAC addresses.

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88.To reduce the risk of broadcast storms, which configuration is recommended on HPE switches?
A. Enable Storm Control
B. Enable LLDP
C. Set static routes
D. Increase MTU size
Answer: A
Explanation:
Storm Control monitors and limits broadcast traffic, reducing the risk of broadcast storms on the network.

89.In a multi-VLAN HPE network, if traffic from one VLAN cannot reach another, which feature should be checked?
A. Inter-VLAN routing
B. DHCP Snooping
C. MAC address filtering
D. BPDU filtering
Answer: A
Explanation:
Inter-VLAN routing is required to allow communication between different VLANs.

90.Which technology in HPE networks helps achieve automatic load balancing by distributing traffic across multiple interfaces?
A. Equal-Cost Multi-Path (ECMP)
B. VRRP
C. QoS
D. IP Source Guard
Answer: A
Explanation:
ECMP allows traffic to be balanced across multiple interfaces with equal cost, optimizing network traffic distribution.

91.Multiple Answers: When configuring high availability in an HPE switch environment, which two features are critical for network resiliency?
A. VRRP
B. DHCP Snooping
C. LACP
D. BPDU Guard
Answer: A, C
Explanation:

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VRRP provides gateway redundancy, while LACP offers link redundancy, both enhancing network resiliency.

92.In an HPE Campus network, which command allows administrators to monitor active interfaces and their link status?
A. show interface status
B. show vlan
C. show ip route
D. show spanning-tree
Answer: A
Explanation:
The show interface status command displays link status and operational state of interfaces.

93.An HPE network uses VRRP for gateway redundancy. If two switches share the same VRRP priority, what additional factor determines the master?
A. MAC address
B. Interface speed
C. VLAN assignment
D. IP address
Answer: D
Explanation:
In VRRP, the switch with the higher IP address in the VRRP group becomes the master when priorities are equal.

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94.Which protocol should be implemented in an HPE network to mitigate the effects of rogue DHCP servers?
A. DHCP Snooping
B. LLDP
C. VRRP
D. IGMP Snooping
Answer: A
Explanation:
DHCP Snooping prevents unauthorized DHCP servers from distributing IP addresses in the network.

95.Multiple Answers: For reliable inter-switch connections in an HPE network, which two configurations ensure redundancy and minimize downtime?
A. Link Aggregation

B. STP root guard
C. Redundant trunk links
D. BPDU filter
Answer: A, C
Explanation:
Link Aggregation and redundant trunk links provide alternate paths, enhancing connection reliability and minimizing downtime.

96.In a VSX configuration, which setting is necessary to maintain synchronized configurations between two HPE switches?
A. Keepalive link
B. LLDP settings
C. MAC filtering
D. BPDU Guard
Answer: A
Explanation:
The keepalive link in a VSX configuration helps maintain state synchronization between paired switches.

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97.A network administrator notices inconsistent VLAN connectivity across HPE switches in a stack.
Which configuration should be verified?
A. VLAN tagging on trunk ports
B. Port security
C. DHCP Snooping
D. Interface speed and duplex
Answer: A
Explanation:
VLAN tagging on trunk ports is essential for consistent VLAN traffic across switch stacks.

98.In HPE networks, which command displays real-time memory usage, aiding in diagnosing potential memory-related performance issues?
A. show memory
B. show cpu
C. show usage
D. show buffers
Answer: A
Explanation:
The show memory command displays current memory usage, useful for identifying

memory-related issues.

99.Which feature on HPE switches dynamically adjusts forwarding rules based on changes in network topology?
A. STP
B. VLAN tagging
C. Port mirroring
D. DHCP relay
Answer: A
Explanation:
Spanning Tree Protocol (STP) dynamically adjusts to prevent loops and accommodate network topology changes.

100.In an HPE network, which security feature allows administrators to limit which MAC addresses can connect to a specific port?
A. Port security
B. BPDU Guard
C. VRRP
D. DHCP relay
Answer: A
Explanation:
Port security restricts network access by allowing only specified MAC addresses on a port.

101.Multiple Answers: In an HPE campus deployment, which two protocols are essential to implement for both high availability and network security?
A. VRRP
B. DHCP Snooping
C. IGMP Snooping
D. LACP
Answer: A, B
Explanation:
VRRP provides high availability for gateway redundancy, while DHCP Snooping secures the network from unauthorized DHCP servers.

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